

## REMARKS

Claims 4-17 remain pending in the application after entry of this response. Claims 1-3 and 18-35 have been canceled without prejudice. Claims 1-35 are subject to restriction and/or election requirement as follows:

Species A: Figures 1, 4-11, and 24-39b; Claims 1-3: Electric submersible pump having filtering means

Species B: Figures 12-19; Claims 4-17: Drive circuit with a variable voltage source

Species C: Figures 20-21; Claims 18, 20, and 31-32: Drive circuit having means for minimizing the output power of the drive circuit at a fixed speed

Species D: Figures 22-23; Claims 19, 21-22, and 33-34: Drive circuit with means for maximizing the motor speed for a given output power

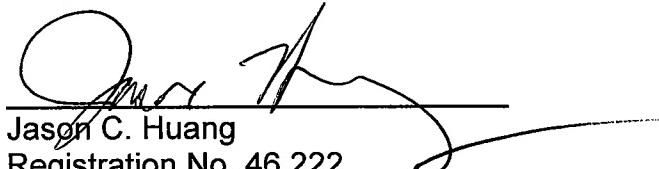
Species E: Figures 2-3; Claims 23-25 and 35: Downhole permanent magnet motor having an annular gap such that the fluid flow is turbulent during rotation of the rotor above a critical speed

Species F: Figure 7; Claims 26-29: Downhole motor having a bearing with spiral grooving

Species G: Figure 1A; Claim 30: Drive circuit with variable voltage supply and an inverter for producing modulated waveforms between an upper voltage level and a lower voltage level

Applicants provisionally elect Species B, without traverse. Claims 4-17 are drawn to Species B. Having addressed all issues set out in the office action, Applicants respectfully request withdrawal or modification of the restriction requirement.

Respectfully submitted,



Jason C. Huang

Registration No. 46,222

PATTERSON & SHERIDAN, L.L.P.

3040 Post Oak Blvd. Suite 1500

Houston, TX 77056

Telephone: (713) 623-4844

Facsimile: (713) 623-4846

Attorney for Applicant